

Application No. 10/057,809
Amendment Dated December 9, 2004
Reply to Office Action dated June 9, 2004

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

18. (new) A cordless digital audio headphone comprising:

a pair of earphones connected to said headphone, said earphones providing audible signals;

a memory slot positioned on said headphone for receiving a memory card containing digitally stored audio information, wherein one of a plurality of memory cards is inserted or removed from said memory slot at any time during the use of said headphone;

a processor disposed on said headphone, said processor coupled to said memory slot for retrieving said digitally stored audio information from said memory card; and

digital to analog converter for receiving said digitally stored audio information, said converter providing said audible signal to said earphone.

19. (new) The invention according to claim 18, wherein said headphone contains a plurality of said memory slots for receiving a corresponding memory card, said processor programmably retrieving said digitally stored audio information from said memory cards.

20. (new) The invention according to claim 19 further comprising a headband defined by

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a plurality of memory slots linked together.

21. (new) The invention according to claim 20 wherein said memory slots define the entire headband.

22. (new) The invention according to claim 19, wherein said memory cards contain information corresponding to musical albums.

23. (new) The invention according to claim 22, further comprising control buttons coupled to said microprocessor for selecting a memory slot from which audio information is to be retrieved and for controlling the volume of audio signal being provided by said earphones.

24. (new) The invention according to claim 23, further comprising a display screen controlled by said processor for displaying information corresponding to the operation of said headphone including:

an indication of a memory slot from which digitally stored audio data is being retrieved;
and

an indication of the title of album contained in the memory card inserted in said memory slot.

25. (new) A cordless digital audio headphone comprising:

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a headband for resting said headphone over a user's head;

a microprocessor disposed on said headphone for controlling the operation of said headphone, said microprocessor coupled to an address bus and a data bus;

a plurality of memory slots disposed on said headphone each coupled to said address bus and said data bus, said memory slots receiving memory cards containing digitally stored audio information; and

a pair of output devices each including,

a digital to analog converter coupled to said address bus and said data bus for receiving said digitally stored audio information,

an audio amplifier for receiving analog signal provided by said digital to analog converter, and providing an amplified signal corresponding to said audio information; and

an earphone for receiving said amplified audio signal and providing audio signal.

26. (new) The invention according to claim 25, wherein said memory cards contain information corresponding to musical albums.

27. (new) The invention according to claim 26, further comprising control buttons coupled to said address bus and said data bus for selecting a memory slot from which audio information is to be retrieved and for controlling the volume of audio signal being provided by said earphones.

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28. (new) The invention according to claim 27, further comprising a display screen coupled to said address bus and said data bus for displaying information corresponding to the operation of said headphone including:

an indication of a memory slot from which digitally stored audio data is being retrieved;
and

an indication of the title of album contained in the memory card inserted in said memory slot.

29. (new) The invention according to claim 28 wherein said digitally stored audio information is in a form of encoded compressed data.

30. (new) The invention according to claim 29, wherein said headphone further comprises a decoder coupled to said address bus and said data bus for decoding said compressed data.

31. (new) The invention according to claim 30, wherein said decoder provides decompressed data to an audio processor, said audio processor being coupled to said data bus and said address bus for providing binaural sound to said earphones.